

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2094	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2094 Wathal	A	3.28						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2094	A	2.82						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
Unit No. 02 San Joaquin River	Overall Unit Rating	Total Unit Miles						
RD2094	A	0.46						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Reclamation District No. 2094 Wathal

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2094 Wathal

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/24/2012 - 05/24/2012		11/08/2012 - 11/08/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Brian Mizuno RD 2094		Brian Mizuno RD 2094	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2094 Wathal

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Right	2.82	11/08/2012 11/08/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Flood Preparedness & Training	WS	A		°	°	6
						Ma		°	°	
DWR ID: DWR_RD2094_01_s_2012_6										
2			Earthen Levee	Emergency Supplies & Equipment	WS	A		°	°	7
						Ma		°	°	
DWR ID: DWR_RD2094_01_s_2012_7										
3			Earthen Levee	Operations & Maintenance Manuals	WS	A		°	°	8
						Ma		°	°	
DWR ID: DWR_RD2094_01_s_2012_8										
4	0.10	0.10	Earthen Levee	Encroachments	WS	M	RA : Ramp Inspector Comments: An access ramp has been built on the water side and extends into the channel. This could potentially alter the channel capacity. This item was also noted in the USACE comments.	37.771685 ° -121.300239 °	37.771685 ° -121.300239 °	4 Y
DWR ID: DWR_RD2094_01_s_2012_4										
5	0.34	2.81	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.768800 ° -121.300093 °	37.749750 ° -121.289000 °	10 Y
						Ma				
DWR ID: DWR_RD2094_01_f_2012_10										
6	0.66	0.66	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Inspector Comments: 14" steel irrigation intake with sluice gate.	37.767505 ° -121.294902 °	37.767505 ° -121.294902 °	1 Y
						Ma				
DWR ID: DWR_RD2094_01_s_2012_1										
7	1.26	1.26	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Inspector Comments: 20" irrigation intake, sluice gate on water side hinge point.	37.760574 ° -121.297365 °	37.760574 ° -121.297365 °	2 Y
						Ma				
DWR ID: DWR_RD2094_01_s_2012_2										
8	2.29	2.29	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Inspector Comments: 20" steel rrigation intake.	37.752225 ° -121.296431 °	37.752225 ° -121.296431 °	3
						Ma				
DWR ID: DWR_RD2094_01_s_2012_3										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	11/08/2012 11/08/2012	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.10
End Levee Mile	0.10
Location	Water Side
Category	Earthen Levee
Item	Encroachments
11/09/2011 Tire marks shown onto ramp from levee. Raised area extends to the trees in the background in the center of the photo.	
mkhashch_f_20120927_316.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.34
End Levee Mile	2.81
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of acceptable vegetation control on levee slopes.	
mkhashch_f_20121119_767.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Irrigation intake on San Joaquin River. Positive closure device (sluice gate) on water side hinge points. Pipe is through freeboard portion of levee. Concrete stand pipe beyond landside toe.	
mkhashch_f_20120927_315.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.82	11/08/2012 11/08/2012	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the irrigation pipe at landside toe.

mkhashch_f_20121119_768.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2094 Wathal

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.46
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/24/2012 - 05/24/2012		11/08/2012 - 11/08/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Brian Mizuno RD 2094		Brian Mizuno RD 2094	

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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	11/08/2012 11/08/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.04	0.42	Earthen Levee	Vegetation	WS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.759127 ° -121.300010 °	37.760612 ° -121.306602 °	1 Y

DWR ID: DWR_RD2094_02_f_2012_1

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+ Issue Type

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Reclamation District No. 2094 Wathal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.46	11/08/2012 11/08/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.04
End Levee Mile	0.42
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of acceptable vegetation control on levee slopes.

mkhashch_f_20121119_769.JPG



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+ Issue Type

Ma : Maintenance Deficiency
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